



SUMMARY REPORT

on public accreditation of the cluster of educational programmes in

- «Agricultural Engineering» (35.03.06, 35.04.06),
- «Technology of production and processing of agricultural products» (35.03.07),

delivered by Russian State Agrarian University - Moscow
Timiryazev Agricultural Academy



2021

While preparing this Summary Report we used information from the Self-Evaluation Report and the Report on the External Review of the cluster of educational programmes in «Agricultural Engineering» (35.03.06, 35.04.06), «Technology of production and processing of agricultural products» (35.03.07), delivered by Russian State Agrarian University - Moscow Timiryazev Agricultural Academy.

The presentation document for the use by the National Accreditation Board.

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GENERAL INFORMATION ON EDUCATIONAL INSTITUTION

Full name of the educational institution	<i>Federal State Budgetary Educational Institution of Higher Education "Russian State Agrarian University-Moscow Timiryazev Agricultural Academy"</i>
Founders	<i>Ministry of Agriculture of the Russian Federation</i>
Year of foundation	<i>1865 — Petrovskaya Academy of Agriculture and Forestry 1894 — Moscow Agricultural Institute 1917 — Petrovskaya Academy of Agriculture 1923 — Agricultural Academy named after K.A. Timiryazev 1994 — Moscow Agricultural Academy named after K.A. Timiryazev 2005 — Russian State Agrarian University – MTAA named after K.A. Timiryazev</i>
Address	<i>Timiryazevskaya street, 49 Moscow 127550 Russian Federaton</i>
Rector	<i>Prof. Vladimir I. Trukhachev Academician - member of the Russian Academy of Sciences, Doctor of Science in Agriculture, Doctor of Science in Economics</i>
License	<i>Series No 90Л01 Registration No 0008076 from 10.10.2014r. permanent</i>
State accreditation	<i>Certificate on State Registration Series No 90A01, Registration No 0003739 from 05.03.2021 to 05.03.2027.</i>
Number of students	<i>12,676 students of whom: 9,667 are full-time students 441 are part-time students 2,568 study in asbentia</i>

INFORMATION ON THE STUDY PROGRAMMES UNDERGOING ACCREDITATION

Educational programmes	« <i>Agricultural Engineering</i> » (35.03.06), « <i>Technology of production and processing of agricultural products</i> » (35.03.07), « <i>Agricultural Engineering</i> » (35.04.06)
Level of training / Standard period of training	<i>Bachelor's Programme / 4 years</i> <i>Master's Programme / 2 years</i>
Structural subdivision (Head)	<i>V.P. Goryachkin Institute of Mechanics and Power Engineering (Candidate of Engineering Sciences, Doctor of Economics Panin Alexander Vladimirovich)</i> <i>Institute of Technology (Doctor of Engineering Sciences, Professor Bredikhin Sergey Alekseevich)</i>
Graduate departments (and their respective heads)	<i>Department of Tractors and Automobiles (Doctor of Engineering Sciences, Academician Didmanidze Otari Nazirovich)</i> <i>Department of Automation and Robotization of Technological Processes named after Academician I.F. Borodin (Doctor of Engineering Sciences, Professor Vladimir Fedorovich Storchevoy)</i> <i>Department of Metrology, Standardization and Quality Management (Doctor of Engineering Sciences, Professor Oleg Leonov)</i> <i>Department of Agricultural Machinery (Doctor of Engineering Sciences, Professor Aldoshin Nikolay Vasilyevich)</i> <i>Department of Technology of Storage and Processing of Fruit and Vegetable and Plant Products (Candidate of Agricultural Sciences, Associate Professor Maslovsky Sergey Alexandrovich)</i> <i>Department of Technology of Storage and Processing of Animal Products (Doctor of Agricultural Sciences, Professor Grikshas Styapas Antanovich)</i>
Dates of Review	<i>12-14 May 2021</i>

Person responsible
for accreditation
from the HEI

*Abrashkina Ekaterina Dmitrevna, Associate
Professor, Head of the Department of Licensing
and Accreditation of Department of Academic
Affairs
Khokhlova Elena Vasilevna, Candidate of
Sciences, Associate Professor, Vice-Rector for
Education Quality*

SAMPLING RESULTS OF THE PROJECT "THE NATIONAL AGGREGATED RANKING"

Higher Education Institution																							
35.00.00 Agriculture, Forestry, and Fishery	Premier League																						
35.03.06 «Agricultural Engineering», 35.04.06 «Agricultural Engineering», 35.03.07 «Technology of production and processing of agricultural products»																							
National Aggregated Ranking	1 League																						
The overall number of study areas delivered by a HEI	17																						
League distribution																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">League</th> <th>No of study areas</th> </tr> </thead> <tbody> <tr> <td>Premier league</td> <td style="text-align: center;">4</td> </tr> <tr> <td>1 league</td> <td style="text-align: center;">7</td> </tr> <tr> <td>2 league</td> <td style="text-align: center;">6</td> </tr> <tr> <td>3 league</td> <td style="text-align: center;">0</td> </tr> <tr> <td>4 league</td> <td style="text-align: center;">0</td> </tr> </tbody> </table>	League	No of study areas	Premier league	4	1 league	7	2 league	6	3 league	0	4 league	0	<table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right;">4 24%</td> <td>■ Премьер-лига</td> </tr> <tr> <td style="text-align: right;">7 41%</td> <td>■ 1 лига</td> </tr> <tr> <td style="text-align: right;">6 35%</td> <td>■ 2 лига</td> </tr> <tr> <td style="text-align: right;">0</td> <td>■ 3 лига</td> </tr> <tr> <td style="text-align: right;">0</td> <td>■ 4 лига</td> </tr> </table>	4 24%	■ Премьер-лига	7 41%	■ 1 лига	6 35%	■ 2 лига	0	■ 3 лига	0	■ 4 лига
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6 35%	■ 2 лига																						
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0	■ 4 лига																						
Russian Federation																							
The No of HEIs in the region delivering programmes included in these study areas	122																						
HEIs classified into leagues based on integrated study areas																							
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REFERENCE DATA ON STUDENT ENROLLMENT FOR PROGRAMME



ACHIEVEMENTS OF THE STUDY PROGRAMMES

Quality of implementing the study programmes

Ensuring the quality of students' training is based on the analysis and evaluation of entrance requirements, the results of interim and final attestation of graduates. Average academic performance scores: bachelor students 77 – 86 points, master students 92.2 - 96.8 points (max 100 points); results of the state final attestation: bachelor students 4.4 - 5.0 points, master students 4.65 - 4.83 points (on a 5-point scale).

The quality of educational programmes is ensured by the high level of qualification and research activity of the teaching staff and students; development and improvement of educational and methodological complexes, including electronic ones; using interactive teaching methods, innovative educational and research laboratories, educational and experimental facilities of the university and its greenhouse and greenhouse complexes (conducted by university teachers and representatives of professional community). The strategic partners of the University offer their facilities for student's practical training and on-the-job placement.

Provision of up-to-date education

The content of the programmes, study plans, and courses is regularly updated in response to the changes in federal and regional legislation, feedback from employers and other stakeholders, international experience. The programme of retraining is annually updated taking into account the recommendations of employers and students' feedback. Quality assurance is established with due consideration of annually collected feedback from stakeholders. Based on this feedback professional

competencies are updated, university competencies are formulated, and the quality of graduate training is analyzed.

Teaching staff

In terms of the study programmes undergoing accreditation over 92% of the teaching staff are full-time teachers, from 72% to 100% of the teaching staff hold academic degrees and titles, 100% of the teaching staff have background education compatible with the courses taught. Top management and leading staff members of companies, institutions and enterprises are involved in the programme delivery. Some of them hold the Grants awarded by the President of the Russian Federation and the Government of the Russian Federation, Russian Science Foundation, Russian Foundation for Basic Research, Foundation for Infrastructural Educational Programmes, FAO.

Teachers are involved in the practical activities of state and municipal authorities as members of public councils and independent experts in competition and certification commissions of various levels.

Research and teaching staff present the results of their work and are awarded diplomas, medals at All-Russian exhibitions, and academic contests.

Independent assessment of student learning outcomes

The use of procedures for independent evaluation of learning outcomes is confirmed by prizes awarded to students at Russian, regional and international competitions and Olympiads (the All-Russian competition for the best research work among students, postgraduates and young scientists of universities of the Ministry of Agriculture of the Russian Federation, the President of the Russian Federation, the Government of the Russian Federation, JSC "Rosselkhozbank" and others).

The external independent evaluation of learning outcomes is carried out by employers during training sessions and is based on the results of assessing the quality of practical training of students, in the process of evaluating the results of academic research, as well as on the results of sociological surveys.

Educational resources

The University has adequate and sufficient material and technical resources that provide all types of laboratory, practical, course and interdisciplinary training stipulated in the federal state educational standard and curriculum, including independent and research work of specialists, and corresponding to the current sanitary and fire safety rules and regulations; the material and technical resources include computers connected to a local network and having Internet access.

The main educational programmes are provided with educational and methodological documentation. The content of academic courses is

available at the university local network (abstracts of working programmes). The teaching materials contain special sections with recommendations for students' independent work. Students have access to databases and library resources.

Research activity

There are 14 research schools in the institutes delivering the educational programmes undergoing accreditation.

In 2016-2020, the university staff patented 447 intellectual property objects, including 112 inventions, 79 utility models, 206 certificates for databases, 20 patents for breeding achievements, 30 certificates for software. In 2017 the university trademark was registered. In 2020, the Hirsch index of the university at the Russian Science Citation Index was 151, in Web of Science-33, in Scopus-35. Over the period of 5 years the staff members of the University published 447 monographs, 20,775 publications in the Russian Science Citation Index, 5,279 articles in journals approved by the Higher Attestation Commission, 496 publications were indexed in Web of Science, 770 publications were indexed in Scopus. Students are involved in R&D while still pursuing their bachelor's degree. In master's and postgraduate's programmes research activity is mandatory.

In 2015-2019, students became winners of the "UMNIK" contest, won scholarships of the President of the Russian Federation and the Government of the Russian Federation, were awarded with diplomas of winners, as well as diplomas of the I, II and III degrees at All-Russian contest of research work among students, postgraduates and young scientists of higher educational institutions of the Ministry of Agriculture of the Russian Federation.

Academic mobility of students

Main directions:

- academic mobility programmes (Erasmus+, Silkroad, bilateral agreements with Humboldt University (Germany), Mendel University (Czech Republic), Plovdiv Agrarian University (Bulgaria), Shenyang Agrarian University (China), etc.);
- practical training (LOGO eV, Grow Abroad, Angers University (France), Federal Espirito Santo Institute (Brazil), enterprises of Germany, the Netherlands, etc.);
- short-term internships, theme specific summer/winter schools in the framework of training areas (University of Bergamo (Italy), International Institute of Garden Cities (UK), etc.).

Employability of graduates

The demand for graduates over the past 5 years has remained consistently high fluctuating within 70% to 80%.

A high level of demand for graduates of the K.A. Timiryazev Moscow State Agrarian University is confirmed by the university positions in various rankings: QS World University Rankings 2022 - the first and only agricultural university in Russia, ranked among the best universities in the world; "100 best universities in Russia", RAEX (RAEX-Analytics); Rating of the best universities in Russia according to Forbes.

International projects

University staff members regularly participate in international projects. Academic projects: ERASMUS + CBHE increasing the potential of higher education, development of educational modules, courses; use/implementation of new teaching methods and technologies. Academic mobility projects: internship of the teaching staff members in foreign partner institutions, lectures and practical classes, visiting lecturers from foreign educational institutions. Advanced training: courses, master classes, round tables on certain topics within the framework of the work of the basic organization of the CIS member countries, FAO, InterAgroClub, etc. Research-educational and research-practical projects: grant projects/ applications from industry and / or projects with the employers. Summer schools.

EXTERNAL REVIEW PANEL



Onaev Marat (Uralsk, Kazakhstan)

Review Chair, foreign expert

Candidate of Engineering Sciences, Associate Professor, Director of the Agrotechnological Institute of the West Kazakhstan Agrarian and Technical University named after Zhangir Khan, member of the Republican Educational and Methodological Council of the Ministry of Education and Science of the Republic of Kazakhstan in land management and cadastre

a nominee of the Independent Agency for Quality Assurance in Education (IQAA), Kazakhstan



Toigildin Aleksandr Leonidovich (Ulyanovsk, Russia)

Deputy Review Chair, Russian expert

Doctor of Agricultural Sciences, Associate Professor, Dean of the Faculty of Agricultural Technologies, Land Resources and Food Production, Ulyanovsk State Agrarian University named after P.A.Stolypin, member of the Guild of Experts in the field of vocational education

A nominee of the Guild of Experts in Higher Education



Georgii Komitov (Plovdiv, Bulgaria)

Panel member, Foreign Expert

Doctor of Sciences, Associate Professor, Professor of the Department of Agricultural Machinery, Plovdiv Agrarian University

A nominee of the National Evaluation and Accreditation Agency (NEAA), Bulgaria



Stepovoi Artem Vasilevich (Krasnodar, Russia)

Panel member, Russian expert

Candidate of Engineering Sciences, Associate Professor, Dean of the Faculty of Processing Technologies, Kuban State Agrarian University named after I.T. Trubilin, Association "Technological Platform "Technologies of the food and processing industry of the Agro-industrial complex-healthy food products"

A nominee of the Guild of Experts in Higher Education



Chupshev Dmitrii Sergeevich (Moscow, Russia)

Panel member, representative of professional community

Deputy General Director of Mosoblagrosnab JSC (Engineering and Technology Center)

A nominee of the Guild of Experts in Higher Education AO « Mosoblagrosnab »



Korolkova Aleksandra Valerevna (Moscow, Russia)

Panel member, representative of students

3rd year student, the Gnessin Russian Academy of Music»

a nominee of All-Russian Student Union

INFORMATION ON THE LEADING TEACHERS OF THE EDUCATIONAL PROGRAMMES

Didmanidze Otari Nazirovich

Doctor of Engineering Sciences, Academician, Head of the Department of Tractors and Automobiles, Academician of the Russian Academy of Sciences

Grikshas Stiapas Antanovich

Doctor of Agricultural Sciences, Professor, Acting Head of the Department of Technology of storage and Processing of Animal Products

Leonov Oleg Albertovich

Doctor of Engineering Sciences, Professor, Head of the Department of Metrology, Standardization and Quality Management

Storchevoi Vladimir Fedorovich

Doctor of Engineering Sciences, Professor, Head of the Department of Automation and Robotization of Technological Processes named after Academician I.F. Borodina

Stushkina Natalia Alekseevna

Candidate of Engineering Sciences, Associate Professor, Head of the Department of Power Supply and Electrical Engineering named after Academician I.A. Budzko

Kravchenko Igor Nikolaevich

Doctor of Engineering Sciences, Professor, Professor of the Department of Metrology, Standardization and Quality Management

Levshin Aleksandr Grigorevich

Doctor of Engineering Sciences, Professor, Head of the Department of Machine and Tractor Fleet Operation and High Technologies in Crop Production, Deputy Chairman of the Expert Council of the Higher Attestation Commission of the Ministry of Education and Science of the Russian Federation

Anikienko Tatiana Ivanovna

Doctor of Agricultural Sciences, Associate Professor, Professor of the Department of Technology of Storage and Processing of Fruit and Vegetable and Plant Products, Academician of the Russian Academy of Natural Sciences of the RAE, Academician of the Academy of Quality Problems

Skorokhodov Anatolii Nikolaevich

Doctor of Engineering Sciences, Professor, Professor of the Department of Machine and Tractor Fleet Operation and High Technologies in Crop Production

Sudnik Iurii Aleksandrovich

Doctor of Engineering Sciences, Professor, Professor of the Department of Automation and Robotization of Technological Processes named after Academician I.F. Borodin, member of the Council of the Central House of Scientists, member of the Amateur Radio Association

Devianin Sergei Nikolaevich

Doctor of Technical Sciences, Professor, Professor of the Department of Tractors and Automobiles.

COMPLIANCE OF THE EXTERNAL REVIEW OUTCOMES WITH THE STANDARDS

STANDARD 1. Policy (goals, development strategy) and quality assurance procedures of study programmes

Compliance with the standard: **full compliance**

Good practice:

The university has in place and regularly updates the documents regulating the content, organization and quality control of the educational process.

The university has in place the system of regular monitoring and evaluation of stakeholders' feedback. The key departments contribute to the internal quality assurance system.

The teaching staff is involved in the development and implementation of the quality assurance policy. QMS has been implemented.

The analysis of the quality of education is carried out regularly. All stakeholders are involved in strategic planning, which makes it possible to implement it at a high level.

The University mission and goals have been developed and approved. The strategy for the development of the educational program has been developed for the period up to 2030.

All the necessary information about the quality management system of the educational process is available on the university's website. All stakeholders are actively involved in the processes of ensuring the quality of the educational process.

The internal quality assurance system is properly documented and all the departments are involved in the processes and procedures of internal quality assurance system.

Areas for improvement:

It is recommended that the University should involve student self-government bodies (associations of foreign students) in actualization of mission, goals and objectives related to educational and scientific policy of the university and the development of professional and international contacts.

It is recommended that the University should reflect the Quality Assurance Policy on the websites of industrial partners and key employers.

STANDARD 2. Educational programmes

Compliance with the standard: **full compliance**

Good practice:

Educational programmes are designed taking into account the policy of training new generation specialists and the development of research technologies for sustainable socio-economic development of rural areas and improving the efficiency of the agro-industrial complex of Russia.

The systematic step-by-step achievement of the goals defined in the main professional educational programmes makes it possible to achieve the strategic development goal and fulfil the strategic objectives of the University in the short run.

There is in place a well-structured mechanism of stakeholders' involvement in the educational process. Employers and students participate in the development and annual improvement of educational programmes. Practical training and on-the-job placement take place at the experimental stations of the university.

The objectives of the educational programmes have been developed, approved and published on the official website of the university. Educational programmes are regularly updated with due account the opinions of all stakeholders.

The programmes are regularly monitored, there are in place the procedures for the preparation, approval and update of educational programmes.

Areas for improvement:

It is recommended that the University should have an individual approach to students enrolled based on employer-sponsored contracts by introducing a range of optional courses.

It is recommended that the University should rely on professional standards when developing educational programmes 22.002 - Specialist in technology of animal food products, 22.003 - Specialist in technology of food products from vegetable raw materials, 22.007 - Specialist in safety, traceability and quality of food products at all stages of its production, 40.057 - Specialist in automated control systems of machine-building enterprises, 40.083-Specialist in automated design of technological processes, 40.178- Specialist in the design of automated process control systems, 40.180 - Specialist in the design of electric drive systems.

STANDARD 3. Student-centred learning, teaching and assessment

Compliance with the standard: **substantial compliance**

Good practice:

The university benefits from modern material and academic resources, there is a well-established procedure to involve students in research work, an effective evaluation system.

A developed system of nonformal and informal education: online courses, further education programmes, micro-credentials. In the course of training students gain general cultural and supra-professional competencies.

The procedure for the development of individual learning paths has been developed and clearly structured: the formation of an individual curriculum for students in connection with employment according to the qualifications they receive or taking into account the needs of various students.

The developed point rating system of education and the assessment of students' academic performance guarantee a comprehensive system of step-by-step assessment of the level of course mastering.

Appeals and complaints procedure has been properly developed.

The University has the modern information and educational system which enhances students' awareness about educational programmes, assessment criteria and procedures.

Independent evaluation results:

Integrated group of training areas	Entrance level (results of State exams)	Interim assessment (academic contests, Federal Internet-exams in the sphere of professional education, etc.)	Certifying examinations (Federal Internet-exams for bachelor students, etc.)
35.00.00	A	A	E

Areas for improvement:

It is recommended that the University should improve the system of involving engineering students in the educational process through R&D work.

It is recommended that the University should use the procedures for independent assessment of learning outcomes more widely, especially those assessment procedures that are offered by the professional community. The University would benefit from establishment of a centre of Federal Internet-exam in the sphere of professional education.

It is recommended that the University should introduce new and innovative courses into the educational programme that will increase the interest of students and prepare them for the labour market (computer-aided design environments, software products for design, organization and research into work processes, etc.).

STANDARD 4. Student admission, support of academic achievements and graduation

Compliance with the standard: **full compliance**

Good practice:

The procedure for student admission, transfer, recognition of qualifications, periods of study and previous education is documented and effective. The information is published on the official website and is meant to attract applicants from all Russia and abroad.

The University carries out active career guidance work. Individual accomplishments are taken into account in addition to exam results. Competition for state funded places ensures stability of recruitment.

The university carries out systematic multifaceted work with students. It renders support in project activities, and mobility programmes. There is in place an effective system of academic performance support and academic achievement support. Students are assessed using an integrated point and ranking system.

Students with special needs are rendered services when needed. Students actively participate in various scholarship projects.

Students are effectively informed of all the changes and events. With regard of financial support for students, there is a system of individual scholarships awarded by the rector of the Academy, the selection procedure is clear and transparent.

There is a system of tutorship at the University.

The University also has a Career Development Center. Graduates are highly demanded on the labour market.

Areas for improvement:

It is recommended that the University should increase student enrollment for practice-oriented bachelor programmes in accordance with the demand of the region and the country, which will make it possible to develop competencies necessary for employers.

It is recommended that the University should make students more aware of various competitions, grants, academic mobility programmes.

STANDARD 5. Teaching staff

Compliance with the standard: **substantial compliance**

Good practice:

The teaching staff involved in the programme delivery are highly qualified teachers holding academic degrees and titles. Research schools and postgraduate training programmes are strengths of the University. The h-index is 105 (1 quartile). The University has in place the system of advanced training of the teaching staff in field specific research institutes and other educational organizations. The Faculty of Technology is actively involved in international projects.

Innovative methods are widely used in educational process.

The University has a Council of Young Scientists.

The opinion of the teaching staff is taken into account when revising local regulations.

The University has in place the Institute of tutorship.

The system of financial and non-financial incentives is clear and transparent. There is a system of financial incentives for the members of the teaching staff. Visiting lecturers are invited from other educational, scientific and industrial organizations to deliver practical classes aimed at the development of students' professional competencies.

Integrated group of training areas	h-index (quartile)
35.00.00	105 (first quartile)

Areas for improvement:

It is recommended that the university should increase the publication activity at the international level.

It is recommended that the university should invite national and international visiting lecturers to the educational process.

STANDARD 6. Learning resources

Compliance with the standard: **full compliance**

Good practice:

The university is actively working on establishing corporate laboratories in collaboration with the leading companies Kverneland, Agromash, MilkLine, Biocomplex, BigDishmon, etc.

Educational resources of the Experimental Station are employed in the educational process and research.

The properly developed infrastructure creates a unique academic eco-environment for the successful development of personality and professional qualities of a specialist.

The modern electronic information and educational environment of the University provides access to educational and information resources through virtual rooms and personal accounts.

The library is equipped with the necessary telecommunication equipment, communication facilities, electronic equipment, has free access to the Internet, Wi-Fi.

Employers are involved in the establishment of classrooms at the University. The educational resources are at a high level and are regularly updated. Partner companies offer tutoring and practical training sites for students.

Areas for improvement:

It is recommended that the University should continue collaborating with industrial partners. The University has good opportunities to establish classrooms with contributions from employers, for example, JSC "St. Petersburg Tractor Plant", Minsk Tractor plant.

STANDARD 7. Collection, analysis and use of information for managing the study programmes and public information

Compliance with the standard: **full compliance**

Good practice:

There is in place a well-developed and promising roadmap for the digital transformation of the university.

The university website contains all the necessary information in Russian and English. There is a special mode for the visually impaired, which allows changing the font size of text information, its color, image type and spacing.

The University actively expands the network of partners interested in mutually beneficial cooperation in the field of training highly qualified personnel.

The Career Development Centre is presented on the official website.

There is a hotline for communication with the university administration.

The University has its own electronic document management system "Cassiopeia".

The student association informs students of most important issues and connects students with university administrators.

Areas for improvement:

It is recommended that the University should try to receive feedback on the collection, analysis and use of information for the management of the educational programme from the University's key employers.

It is recommended that the University should involve graduates to promote their alma mater on social networks focusing on the knowledge gained and positions occupied.

STANDARD 8. On-going monitoring and periodic review of programmes

Compliance with the standard: **full compliance**

Good practice:

The procedures and results of monitoring and periodic evaluation of educational programmes are available on the university portal. Based on the results of the external audit, Corrective Actions are being developed.

The results of the independent evaluation of the programmes are published on the University website. All evidences are publicly available.

The procedures for monitoring and evaluating educational programmes are regulated, the opinions of various stakeholder groups are systematically monitored, followed by the analysis of results, reports, presentations and decision making procedures.

Structural subdivisions have been established and the persons responsible for monitoring and evaluating of educational programmes and related documents have been appointed.

The opinions of various consumer groups are monitored, followed by the analysis of the monitoring results.

The University holds the leading positions in the international ranking of educational organizations.

The University has undergone the procedure of state accreditation.

Areas for improvement:

It is recommended that the University should integrate into the monitoring system relevant marketing studies of the needs of the labor market or the requirements of consumers, giving an objective assessment of the competitiveness of educational services of the University.

It is recommended that the University should analyze the content of the analogous educational programmes delivered in foreign educational institutions in order to employ the best practices.

STANDARD 9. Quality assurance of education (online/distance learning)

Соответствие стандарту: **full compliance**

Good practice:

The University has in place a well-structured systematic work on academic and technological support for teachers and students to obtain the necessary digital competencies when mastering programmes in a distance format.

Distance learning technologies have been mastered to a sufficient extent by all the stakeholders of the educational process.

During the emergency transition to distance learning forced by the pandemic restrictions, software training sessions were offered to students, teachers and the administration.

The University offers sufficient technical support to its teaching staff members.

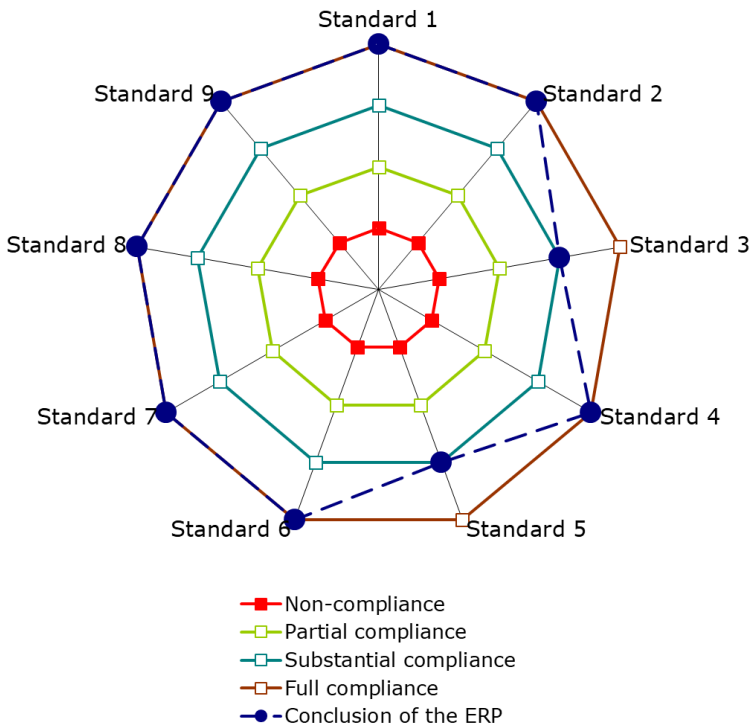
Students may opt to work in the electronic distance learning environment. There is a technical infrastructure that provides the process of distance learning. Students' achievement are evaluated. The learning process can take place in a digital or hybrid formats. There are prerequisites for academic and technological support for the acquisition of digital competencies.

Areas for improvement:

It is recommended that the University should improve the regulatory documentation on hybrid training format, including practical training, full time and part time study modes.

It is recommended that the University should improve the educational portal using virtual laboratories designed for distance and mixed learning formats that meet the objectives of educational programs.

DISTRIBUTION DIGRAM OF THE EXTERNAL REVIEW OUTCOMES



- Standard 1. Policy (goals, development strategy) and quality assurance procedures of study programmes
- Standard 2. Study programmes
- Standard 3. Student-centred learning, teaching and assessment
- Standard 4. Student admission, support of academic achievements and graduation
- Standard 5. Teaching staff
- Standard 6. Learning resources
- Standard 7. Collection, analysis and use of information for managing the study programmes and public information
- Standard 8. On-going monitoring and periodic review of programmes
- Standard 9. Quality assurance of education (online/distance learning)

CONCLUSION OF THE EXTERNAL REVIEW PANEL

Based on the self-evaluation report analysis, documents and data submitted the External Review Panel has come to the conclusion that the cluster of educational programmes in «Agricultural Engineering» (35.03.06, 35.04.06), «Technology of Production and Processing of Agricultural Product» (35.03.07) **fully** complies with the standards and criteria of public accreditation of the National Centre for Public Accreditation.

The External Review Panel recommends that the National Accreditation Board accredit the cluster of educational programmes in «Agricultural Engineering » (35.03.06, 35.04.06), Technology of Production and Processing of Agricultural Products» (35.03.07), delivered by Russian State Agrarian University - Moscow Timiryazev Agricultural Academy for the period of **six** years.

SCHEDULE OF THE SITE VISIT OF THE EXTERNAL REVIEW PANEL

Time	Activity	Participants	Venue
12 May, Wednesday			
8.45	Arrival at the University (Academic Building No2)		Moscow, Listvennichnaya alley, 4, Academic building No 2
09.00 – 10.45	Meeting of the ERP with the University administration and people responsible for accreditation Rector, ViceRectors, people responsible for accreditation, ERP	Meeting of the ERP with the University administration and people responsible for accreditation Rector, ViceRectors, people responsible for accreditation, ERP	Moscow, Listvennichnaya alley, 4, Academic building No 2, room 101
11.00 – 12.45	Guided tour of the University	ERP, Vice Rector	Academic buildings No 2, 26, 16, 17, 29, Equestrian Sports School, Field Experimental Station, V.A. Mikhelson Observatory
13.00 – 14.00	Lunch		58, Academic building No 27, Canteen
14.00 – 14.30	Internal meeting of the Panel	ERP	Academic building 26, room 218
14.30 – 15.30	Meeting with directors of institutes, deans	Directors of Institutes, Deputy Directors, ERP	Academic building 26, room 221
15.30 – 16.00	Work with documents	ERP	Academic building 26, room 218
16.00 – 17.00	Meeting with heads of the departments	Heads of Departments, External Review Panel	Academic building 26, room 221
17.00 – 17.30	Internal meeting of the Panel	ERP	Academic building 26, room 218
17.30 – 18.30	Meeting with graduates	Graduates, ERP	Academic building 26, room 221
18.30 – 19.00	Internal meeting of the Panel	ERP	Academic building 26, room 218

Time	Activity	Participants	Venue
13 May, Thursday			
9.30	Arrival at the University (academic building No 26)		Academic building 26, room 218
10.00 – 11.00	Meeting with teachers	Teachers, ERP	Academic building 26, room 221
11.00 – 11.30	Internal meeting of the Panel	ERP	Academic building 26, room 218
11.30 – 12.30	Meeting with students	Students, ERP	Academic building 26, room 221
12.30 – 13.00	Internal meeting of the Panel	ERP	Academic building 26, room 218
13.00 – 14.00	Lunch		Academic building No. 27, Canteen
14.00 – 15.00	Meeting with postgraduates, doctoral students	Postgraduates, doctoral students, ERP	Academic building 26, room 221
15.00 – 16.30	Work with documents/ Attending classes	ERP	Academic building 26, room 218
16.30 – 17.30	Meeting with the representatives of professional community	Representatives of professional community, ERP	Academic building 26, room 221
17.30 – 18.00	Internal meeting of the Panel	ERP	Academic building 26, room 218
14 May, Friday			
09.45	Arrival at the University (academic building No 26)	ERP	Moscow, Listvennichnaya alley, 7, Academic building 26
10.00 – 13.00	Internal meeting of the Panel: discussion of preliminary results of the site visit, preparation of the oral report of the panel .Internal meeting of the Panel	ERP	Moscow, Listvennichnaya alley, 7, Academic building 26, room 218
13.00 – 14.00	Lunch		Academic building No. 27, Canteen
14.00 – 15.30	Work with documents.		Academic building 26, room 218
16.00 – 17.30	Closing meeting of the External Review Panel with the representatives of the University	ERP, University administration, Heads of the Graduate Departments, teachers	Academic building 26, room 218
18.00	Departure		